

2016 Pierce's Disease Research Symposium

December 12 – 14, 2016

<<< Symposium Program>>>

Monday, December 12

3:00 p.m. Registration Desk Opens (Foyer); Poster Room Available for Set-up (Liberty Hall)

6:00 p.m. Registration Desk Closes; Poster Room Closes

Tuesday, December 13

7:30 a.m. Registration Desk Opens (Foyer); Poster Room Opens (Liberty Hall)

8:30 a.m. **WELCOME & OPENING REMARKS** (Liberty Hall)

8:35 a.m. Call to Order
Bob Wynn

8:40 a.m. Welcome
Travis Elder

9:00 a.m. Opening Remarks
Bob Wynn

9:10 a.m. Winegrape Grower Outreach Update
Ken Freeze

9:25 a.m. **SESSION 1: PIERCE'S DISEASE EPIDEMIOLOGY** (Liberty Hall)
Moderator: *Drake Stenger*

9:30 a.m. Evaluating Potential Shifts in Pierce's Disease Epidemiology
Rodrigo Almeida

9:50 a.m. Update on Glassy-winged Sharpshooter and Pierce's Disease in the General Beale Area
David Haviland

10:10 a.m. Mapping Pierce's Disease and Vector Populations in the Southern San Joaquin Valley and Developing a Dynamic Model to Assess Management Strategies
Sandy Olkowski

10:30 a.m. **BREAK** (Liberty Hall)

10:50 a.m. **SESSION 2: PIERCE'S DISEASE RESISTANT GRAPEVINES** (Liberty Hall) -- Moderator: *Mark Greenspan*

10:55 a.m. Breeding Pierce's Disease Resistant Winegrapes
Andrew Walker

11:15 a.m. Expanding the Range of Grape Rootstock and Scion Genotypes That Can Be Genetically Modified for Use in Research and Product Development
David Tricoli

Tuesday, December 13 (continued)

11:35 a.m. Field Testing Transgenic Grapevine Rootstocks Expressing Chimeric Antimicrobial Protein and Polygalacturonase Inhibiting Protein
Abhaya Dandekar

11:55 a.m. Transgenic Rootstock Mediated Protection of Grapevine Scion by Single and Stacked DNA Constructs
David Gilchrist

12:15 p.m. **LUNCH** (Liberty Hall)

1:15 p.m. **SESSION 3: XYLELLA FASTIDIOSA** (Liberty Hall)
Moderator: *Caroline Roper*

1:20 p.m. O Antigen and Immune Recognition in Grapevine
Caroline Roper

1:40 p.m. High Throughput Live Cell Screen for Small Molecules Targeting the TolC Efflux Pump of *Xylella fastidiosa*
Dean Gabriel

2:00 p.m. Plasmid Transfer by Conjugation as a Possible Route of Horizontal Gene Transfer and Recombination in *Xylella fastidiosa*
Lindsey Burbank

2:20 p.m. Genome Editing of TAS4, MIR828, and Targets MYBA6/A&: A Critical Test of *Xylella fastidiosa* Infection and Spreading Mechanisms in Pierce's Disease
Christopher Rock

2:40 p.m. **SESSION 4: GLASSY-WINGED SHARPSHOOTER** (Liberty Hall)
Moderator: *David Morgan*

2:45 p.m. Management of Insecticide Resistance in Glassy-winged Sharpshooter Populations Using Toxicological, Biochemical, and Genomic Tools
Richard Redak

3:05 p.m. Insecticide Resistance in the Glassy-winged Sharpshooter: Using Historical Use Patterns to Inform Future Management Strategies
Thomas Perring

3:25 p.m. Understanding Glassy-winged Sharpshooter Population Dynamics: Studies on Egg Maturation
Mark Sisterson

3:45 p.m. Glassy-winged Sharpshooter Mating Disruption: We Heard It Through the Grapevine
Shira D. Gordon

2016 Pierce's Disease Research Symposium

December 12 – 14, 2016

<<< Symposium Program >>>

Tuesday, December 13 (continued)

4:05 p.m. **POSTER SESSION** (Liberty Hall)
Moderator: *Craig Hanes*

4:10 p.m. Poster Session Begins

6:10 p.m. Poster Session Ends

6:15 p.m. Poster Room Closes

Wednesday, December 14

8:15 a.m. Registration Desk Opens (Foyer); Poster Room Opens (Liberty Hall)

8:30 a.m. **SESSION 6: OTHER WINEGRAPE PESTS AND DISEASES** (Liberty Hall)
Moderator: *Matt Daugherty*

8:35 a.m. Biology and Spread of Grapevine Red Blotch-Associated Virus
Marc Fuchs

8:55 a.m. Timing of Field Transmission of Grapevine Red Blotch-Associated Virus
Robert Martin

9:15 a.m. Evaluation of Commercial Ant Baits as a Component of an Integrated Pest Management Program for Vine Mealybug
Lucia Varela

9:35 a.m. Education and Outreach for the Grapevine Certification and Registration Program, and an Assessment of Recently Established Production Vines from Increase Blocks
Kari Arnold

9:55 a.m. Improving Vine Mealybug Winter and Spring Controls
Kent Daane

10:15 a.m. **BREAK** (Liberty Hall)

10:35 a.m. **SESSION 7: ROUNDTABLE DISCUSSIONS** (Liberty Hall)
Moderator: *Tom Esser*

- Topics: (A) Grapevine Field Trails
(B) Virus Diseases of Winegrapes
(C) Renewed Challenges with Pierce's Disease and Sharpshooter Management

Wednesday, December 14 (continued)

12:15 p.m. **LUNCH** (Liberty Hall)

1:15 p.m. **SESSION 8: BIOLOGICAL CONTROL OF PIERCE'S DISEASE** (Liberty Hall) -- Moderator: *Roger Spencer*

1:20 p.m. Biological Control of Pierce's Disease of Grape with an Endophytic Bacterium
Steve Lindow

1:40 p.m. Phages of *Xylella*: A Potential Treatment for Pierce's Disease
Carlos Gonzalez

2:00 p.m. Greenhouse Evaluation of Grapevine Microbial Endophytes and Fungal Natural Products for Control of Pierce's Disease
Philippe Rolshausen

2:20 p.m. **CLOSING** (Liberty Hall)

2:25 p.m. Closing Comments
Bob Wynn

2:35 p.m. Adjournment